

**Flood Control Project Maintenance
Levee Inspections**

Fall 2018 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

NA0019	Overall LMA Rating	Total LMA Miles	* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.					
Tehama County Flood Control and Water Conservation District Tehama County Fld Control & Water Cons Dist	M *	13.97						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.63		0.63	4.51%	0.05			
Trim / Thin Trees	0.03		0.03	0.22%				
Encroachments	0.05		0.05	0.36%	0.43	1.17		
Animal Control	0.12		0.12	0.86%				
Slope Stability	0.19		0.19	1.36%				
Erosion / Bank Caving	0.13	0.03	0.25	1.79%				
<i>Supplemental</i>								
2017 USACE Erosion Survey, DRAFT	0.07		0.07	0.50%				
DWR UCIP Field Study					0.14	0.01		
DWR UCIP LMA Responsibility								
<i>LMA Totals:</i>	1.22	0.03	1.34	9.59% *	0.62	1.18	0.00	0.00
Unit No. 01 Deer Creek LB	Overall Unit Rating	Total Unit Miles						
NA0019	A	4.22						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.04		0.04	0.95%				
Encroachments					0.26	1.17		
Slope Stability	0.05		0.05	1.18%				
Erosion / Bank Caving	0.04		0.04	0.95%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.09	0.01		
DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.13	0.00	0.13	3.08%	0.35	1.18	0.00	0.00
Unit No. 02 Deer Creek RB	Overall Unit Rating	Total Unit Miles						
NA0019	A	1.89						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Trim / Thin Trees	0.01		0.01	0.53%				
Encroachments	0.02		0.02	1.06%	0.05			
Erosion / Bank Caving	0.08		0.08	4.24%				
<i>Supplemental</i>								
2017 USACE Erosion Survey, DRAFT	0.05		0.05	2.65%				
DWR UCIP Field Study					0.01			
DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.16	0.00	0.16	8.47%	0.06	0.00	0.00	0.00

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Fall 2018 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin (cont.)

Unit No. 04 Elder Creek LB		Overall Unit Rating	Total Unit Miles						
NA0019		A	3.98						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	0.12		0.12	3.01%					
Trim / Thin Trees	0.01		0.01	0.25%					
Encroachments	0.03		0.03	0.75%	0.11				
Animal Control	0.01		0.01	0.25%					
Slope Stability	0.14		0.14	3.52%					
<i>Supplemental</i>									
DWR UCIP Field Study					0.02				
DWR UCIP LMA Responsibility									
<i>Unit Totals:</i>	0.31	0.00	0.31	7.79%	0.13	0.00	0.00	0.00	

Unit No. 05 Elder Creek RB		Overall Unit Rating	Total Unit Miles						
NA0019		M	3.87						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	0.47		0.47	12.14%	0.05				
Trim / Thin Trees	0.01		0.01	0.26%					
Encroachments					0.01				
Animal Control	0.11		0.11	2.84%					
Erosion / Bank Caving	0.01	0.03	0.13	3.36%					
<i>Supplemental</i>									
2017 USACE Erosion Survey, DRAFT	0.02		0.02	0.52%					
DWR UCIP Field Study					0.02				
DWR UCIP LMA Responsibility									
<i>Unit Totals:</i>	0.62	0.03	0.74	19.11%	0.08	0.00	0.00	0.00	

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Fall 2018 Levee Inspection Results****Tehama County Flood Control and Water Conservation District**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			M *	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

* Overall LMA Threshold Percent is less than
10.00%; however, U Rated Miles are present,
so the Overall LMA Rating is M instead of A.

†	<p>SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.</p> <p>FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.</p>
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Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2018 Levee Inspection Results

Tehama County Flood Control and Water Conservation District

Waterway			Bank	Unit Miles
Unit No. 01 Deer Creek			Left	4.22
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/4/2018 - 4/4/2018		10/2/2018 - 10/2/2018	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Ryan Teubert Tehama County		Ryan Teubert Tehama County	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start		Rating **	A	Issue No.	12
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_NA0019_01_s_2013_12				
Comment Code					
Inspector Comment					
The LMA has O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	13
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_NA0019_01_s_2013_13				
Comment Code					
Inspector Comment					
The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	14
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_NA0019_01_s_2013_14				
Comment Code					
Inspector Comment					
The LMA completed flood fight training in 2015.					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	0.00	Rating **	U	Issue No.	41
LM End	0.65	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.973077 °	39.971722 °
				-121.980344 °	-121.991869 °
DWR ID	DWR_NA0019_01_s_2016_41				
Comment Code					
DT : Ditch					
Inspector Comment					
Concrete-lined ditch on landside.					

Photo 1 of 1 : FA_2018_NA0019_78_41_20180905_00015.jpg



View of the concrete-lined ditch along landside.

LM Start	0.01	Rating **	M	Issue No.	17
LM End	0.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.973111 °	39.973111 °
				-121.980466 °	-121.980466 °
DWR ID	DWR_NA0019_01_s_2013_17				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0019_78_17_20180905_00005.jpg



View of the erosion along the landside slope.

LM Start	0.02	Rating **	U	Issue No.	275
LM End	0.02	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.973128 °	39.973128 °
				-121.980734 °	-121.980734 °
DWR ID	DWR_NA0019_01_s_2014_275				
Comment Code					
PI : Pipe					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0019_78_275_20180905_00018.jpg



View of the irrigation pipe along the waterside slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	0.17	Rating **	M	Issue No.	277
LM End	0.17	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.973302 °	39.973302 °
				-121.983538 °	-121.983538 °
DWR ID	24684				
Comment Code					
Inspector Comment					
FS_ID:39840 DS_ID:24684 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 36-inch reinforced concrete irrigation pipe through the levee, 0.5 feet below the crown. Concrete canal and distribution structure on the landside (LS) shoulder. FS Date: 10/2/2013					

Photo 1 of 2 : UCIP_FA_2018_39840_39060.jpg



Outlet covered by tree trimmings.

LM Start	0.17	Rating **	M	Issue No.	277 (cont)
LM End	0.17	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_FA_2018_39840_39059.jpg



Pipe visible at WS outlet.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	0.17	Rating **	M	Issue No.	278	
LM End	0.17	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.973285 °	39.973285 °	
				-121.983531 °	-121.983531 °	
DWR ID	24685					
Comment Code						
Inspector Comment						
FS_ID:39838 DS_ID:24685 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 24-inch reinforced concrete irrigation pipe through the levee, 2 feet below the crown. Concrete canal and distribution structure on the landside (LS) shoulder. Concrete U-shaped headwall and flap gate on the waterside (WS) toe. FS Date: 10/2/2013						

Photo 1 of 1 : UCIP_FA_2018_39838_39058.jpg



Concrete U-shaped headwall and flapgate at WS toe.

LM Start	0.41	Rating **	M	Issue No.	18
LM End	0.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.972560 °	39.972560 °
				-121.987759 °	-121.987759 °
DWR ID	DWR_NA0019_01_s_2013_18				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0019_78_18_20180905_00006.jpg



View of the erosion along the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	0.49	Rating **	M	Issue No.	279
LM End	0.49	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.972280 °	39.972280 °
				-121.989227 °	-121.989227 °
DWR ID	24686				
Comment Code					
Inspector Comment					
FS_ID:39839 DS_ID:24686 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for crossing. FIELD_STRUCT_DESC: 20-inch reinforced concrete irrigation pipe through the levee, 2 feet below the crown. Concrete canal and distribution structure with slat boards on the landside (LS) shoulder. FS Date: 10/2/2013					

Photo 1 of 3 : UCIP_FA_2018_39839_39063.jpg



Concrete canal/distribution box on LS shoulder.

LM Start	0.49	Rating **	M	Issue No.	279 (cont)
LM End	0.49	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_39839_39062.jpg



Concrete headwall at canal on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	0.49	Rating **	M	Issue No.	279 (cont)	
LM End	0.49	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.972280 °	39.972280 °	
				-121.989227 °	-121.989227 °	
DWR ID	24686					
Comment Code						
Inspector Comment						
FS_ID:39839 DS_ID:24686 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for crossing. FIELD_STRUCT_DESC: 20-inch reinforced concrete irrigation pipe through the levee, 2 feet below the crown. Concrete canal and distribution structure with slat boards on the landside (LS) shoulder. FS Date: 10/2/2013						

Photo 3 of 3 : UCIP_FA_2018_39839_39061.jpg



Pipe visible at outlet on WS toe.

LM Start	1.47	Rating **	M	Issue No.	21	
LM End	1.47	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			39.969702 °		39.969702 °
				-122.006975 °		-122.006975 °
DWR ID	DWR_NA0019_01_f_2013_21					
Comment Code						
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.						
Inspector Comment						
Keep livestock off levee and repair damage.						

Photo 1 of 1 : FA_2018_NA0019_78_21_20180905_00009.jpg



View of the erosion caused by livestock on both slope of the levee.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	1.55	Rating **	A/W	Issue No.	42
LM End	1.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.969193 °	39.969052 °
				-122.008458 °	-122.008920 °
DWR ID	DWR_NA0019_01_s_2017_42				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair the erosion along the water side toe.					

Photo 1 of 1 : FA_2018_NA0019_78_42_20180905_00016.jpg



View of the erosion along the waterside toe.

LM Start	1.56	Rating **	A/W	Issue No.	49
LM End		Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			39.969250 °	°
				-122.008681 °	°
DWR ID	DWR_NA0019_01_s_2018_49				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Significant erosion on the waterside slope, 8-10 foot vertical bank for approximately 100-150?.					
Site ID No:585					
Site Designation:LMA-500					
Repair Type: Erosion					
Rating:Serious					
Field Date:9/6/2017					
Notes: Photos from during the 2017 storm event are attached and cover all of the sites in this RD.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	1.66	Rating **	M	Issue No.	31
LM End	1.66	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.968670 °	39.968670 °
				-122.010271 °	-122.010271 °
DWR ID	DWR_NA0019_01_f_2016_31				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside toe.					

Photo 1 of 1 : FA_2018_NA0019_78_31_20180905_00010.jpg



View of the prunings along the waterside slope.

LM Start	1.67	Rating **	U	Issue No.	280	
LM End	1.67	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.968642 °	39.968642 °	
				-122.010494 °	-122.010494 °	
DWR ID	20770					
Comment Code						
Inspector Comment						
FS_ID:53391 DS_ID:20770 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/15/2018 Flap gate on WS end stuck open. Lower part of pipe is silted that makes impossible flap gate to fully close. Needs sediment cleanup around pipe outlet on WS. (O.Yakimov - DWR)12/05/2016 Sediment buildup inside pipe (see photo) and sediment buildup on WS blocking flap gate. Crossing has been downgraded from Urgent to Non-Urgent crossing was closed on both WS and LS. (O. Magana - DWR UCIP)10/02/2013 Flapgate blocked by soil buildup. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch steel drainage pipe through the levee, 1.5 feet below the crown. Flap gate on the waterside (WS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 509, March 1957, As-built drawings available 50-4-2394 (Station 185+40)]. FS Date: 10/15/2018 3:31:56 PM						

Photo 1 of 3 : UCIP_FA_2018_53391_78193.jpg



Open flap gate on WS end. Pipe is partially silted.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	1.67	Rating **	U	Issue No.	280 (cont)	
LM End	1.67	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.968642 °	39.968642 °	
				-122.010494 °	-122.010494 °	
DWR ID	20770					
Comment Code						
Inspector Comment						
FS_ID:53391 DS_ID:20770 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/15/2018 Flap gate on WS end stuck open. Lower part of pipe is silted that makes impossible flap gate to fully close. Needs sediment cleanup around pipe outlet on WS. (O.Yakimov - DWR)12/05/2016 Sediment buildup inside pipe (see photo) and sediment buildup on WS blocking flap gate. Crossing has been downgraded from Urgent to Non-Urgent crossing was closed on both WS and LS. (O. Magana - DWR UCIP)10/02/2013 Flapgate blocked by soil buildup. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch steel drainage pipe through the levee, 1.5 feet below the crown. Flap gate on the waterside (WS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 509, March 1957, As-built drawings available 50-4-2394 (Station 185+40)]. FS Date: 10/15/2018 3:31:56 PM						

Photo 2 of 3 : UCIP_FA_2018_53391_36921.jpg



Concrete headwall on LS toe.

LM Start	1.67	Rating **	U	Issue No.	280 (cont)
LM End	1.67	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2018_53391_76779.jpg



LS view of concrete headwall with wood panel blocking opening.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspections**

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Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	1.77	Rating **	A	Issue No.	40
LM End	1.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.969528 °	39.969210 °
				-122.011982 °	-122.013383 °
DWR ID	DWR_NA0019_01_f_2018_40				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The vegetation was removed from the waterside slope.					

Photo 1 of 1 : FA_2018_NA0019_78_40_20181008_00062.jpg



View of the remove vegetation from the waterside slope.

LM Start	1.79	Rating **	U	Issue No.	2
LM End	2.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.969443 °	39.966921 °
				-122.012261 °	-122.019469 °
DWR ID	DWR_NA0019_01_s_2012_2				
Comment Code					
DT : Ditch					
Inspector Comment					
Repair the cleaned out irrigation ditch along the landside toe.					

Photo 1 of 2 : FA_2018_NA0019_78_2_20180905_00001.jpg



View of the irrigation ditch along the landside toe.

LM Start	1.79	Rating **	U	Issue No.	2 (cont)
LM End	2.22	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2018_NA0019_78_2_20180905_00002.jpg



View of an agricultural ditch along the levee toe.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	1.85	Rating **	M	Issue No.	32
LM End	1.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.969223 °	39.969223 °
				-122.013351 °	-122.013351 °
DWR ID	DWR_NA0019_01_f_2016_32				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	1.88	Rating **	M	Issue No.	281	
LM End	1.88	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.969156 °	39.969156 °	
				-122.013809 °	-122.013809 °	
DWR ID	24690					
Comment Code						
Inspector Comment						
FS_ID:39837 DS_ID:24690 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 4-inch steel communications conduit through the levee, at an unknown depth. Junction box off the landside (LS) toe next to JP and roadway. Conduit visible on upstream side of bridge at Deer Creek crossing. FS Date: 10/2/2013						

Photo 1 of 3 : UCIP_FA_2018_39837_39067.jpg



Communication box off LS shoulder next to roadway.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	1.88	Rating **	M	Issue No.	281 (cont)	
LM End	1.88	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.969156°	39.969156°	
				-122.013809°	-122.013809°	
DWR ID	24690					
Comment Code						
Inspector Comment						
FS_ID:39837 DS_ID:24690 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 4-inch steel communications conduit through the levee, at an unknown depth. Junction box off the landside (LS) toe next to JP and roadway. Conduit visible on upstream side of bridge at Deer Creek crossing. FS Date: 10/2/2013						

LM Start	1.88	Rating **	M	Issue No.	281 (cont)
LM End	1.88	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_39837_39066.jpg



Communication box on WS shoulder.

Photo 3 of 3 : UCIP_FA_2018_39837_39065.jpg



Conduit visible on WS slope and at upstream side of bridge.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	1.89	Rating **	U	Issue No.	282	
LM End	1.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.969105°	39.969105°	
				-122.014028°	-122.014028°	
DWR ID	20769					
Comment Code						
Inspector Comment						
FS_ID:53392 DS_ID:20769 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/15/2018 Flapgate on WS is missing, pipe partially blocked with silt. (O.Yakimov - DWR)12/05/2016 same as last inspection. Crossing remains "Urgent" WS opened during flood season due to damaged flap gate. (O. Magana - DWR UCIP)10/02/2013 Flapgate missing or burried on WS toe. Pipe partially blocked by soil on WS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Flap gate located on the waterside (WS) end. A 5-foot by 5-foot concrete control structure located on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 509, March 1957, As-built drawing no. 50-4-2394 (Station 176+10)]. FS Date: 10/15/2018 3:33:50 PM						

LM Start	1.89	Rating **	U	Issue No.	282 (cont)
LM End	1.89	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_53392_78181.jpg



Partially silted pipe at WS toe missing flap gate.

Photo 2 of 3 : UCIP_FA_2018_53392_76783.jpg



Overview of levee crown where pipe crosses.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	1.89	Rating **	U	Issue No.	282 (cont)	
LM End	1.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.969105°	39.969105°	
				-122.014028°	-122.014028°	
DWR ID	20769					
Comment Code						
Inspector Comment						
FS_ID:53392 DS_ID:20769 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/15/2018 Flapgate on WS is missing, pipe partially blocked with silt. (O.Yakimov - DWR)12/05/2016 same as last inspection. Crossing remains "Urgent" WS opened during flood season due to damaged flap gate. (O. Magana - DWR UCIP)10/02/2013 Flapgate missing or burried on WS toe. Pipe partially blocked by soil on WS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Flap gate located on the waterside (WS) end. A 5-foot by 5-foot concrete control structure located on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 509, March 1957, As-built drawing no. 50-4-2394 (Station 176+10)]. FS Date: 10/15/2018 3:33:50 PM						

Photo 3 of 3 : UCIP_FA_2018_53392_76787.jpg



Damage flap gate visible on WS.

LM Start	2.53	Rating **	M	Issue No.	39
LM End	2.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.966675 °	39.966675 °
				-122.024988 °	-122.024988 °
DWR ID	DWR_NA0019_01_s_2017_39				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair the erosion along the water side slope.					

Photo 1 of 1 : FA_2018_NA0019_78_39_20180905_00014.jpg



View of erosion along the waterside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	2.55	Rating **	A/W	Issue No.	46
LM End	2.58	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			39.966661 °	39.966330 °
				-122.025369 °	-122.025850 °
DWR ID	DWR_NA0019_01_f _ 2017_46				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:176					
Site Designation:LMA-23					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:6/6/2017					
Notes: Problem area is not within the levee prism. The erosion exists near the crest.					

No Photos

LM Start	2.57	Rating **	M	Issue No.	283	
LM End	2.57	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.966363 °	39.966363 °	
				-122.025755 °	-122.025755 °	
DWR ID	20877					
Comment Code						
Inspector Comment						
FS_ID:22823						
DS_ID:20877						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Headwall covered with soil. Needs to be cleared at both ends.						
FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee 5-feet below the crown. Calco automatic drainage gate.						
Originally included in O+M manual (1957). As-built drawings available 50-4-2394.						
FS Date: 10/2/2013						

Photo 1 of 1 : UCIP_FA_2018_22823_38941.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	2.75	Rating **	A/W	Issue No.	45
LM End	2.75	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			39.964900 °	39.965030 °
				-122.029000 °	-122.028700 °
DWR ID	DWR_NA0019_01_f_2017_45				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:271					
Site Designation:LMA-72					
Repair Type: Erosion					
Rating:Serious					
Field Date:6/6/2017					
Notes:					

No Photos

LM Start	2.76	Rating **	A/W	Issue No.	43
LM End	2.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.964990 °	39.964763 °
				-122.028740 °	-122.029082 °
DWR ID	DWR_NA0019_01_s_2017_43				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair the erosion along the water side slope.					

Photo 1 of 1 : FA_2018_NA0019_78_43_20180905_00017.jpg



View of erosion along waterside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	2.86	Rating **	M	Issue No.	284	
LM End	2.86	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.963938 °	39.963938 °	
				-122.030128 °	-122.030128 °	
DWR ID	20767					
Comment Code						
Inspector Comment						
FS_ID:22824						
DS_ID:20767						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe blocked by soil.						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 509, March 1957, (Assumed Station 137+50) Drawing No. 50-4-2394].						
FS Date: 10/2/2013						

LM Start	2.86	Rating **	M	Issue No.	284 (cont)
LM End	2.86	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2018_22824_38946.jpg



Flapgate blocked by soil and debris.

Photo 2 of 2 : UCIP_FA_2018_22824_38945.jpg



Flapgate blocked by soil and debris.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

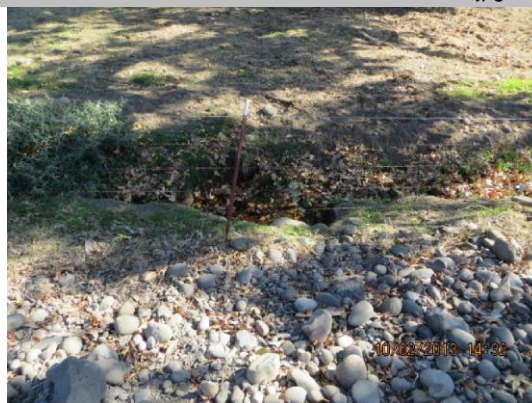
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	3.14	Rating **	M	Issue No.	33
LM End	3.37	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.948220 °	39.947059 °
				-122.046250 °	-122.050260 °
DWR ID	DWR_NA0019_01_f _ 2016_33				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

LM Start	3.29	Rating **	M	Issue No.	285	
LM End	3.29	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.947484 °	39.947484 °	
				-122.049011 °	-122.049011 °	
DWR ID	20766					
Comment Code						
Inspector Comment						
FS_ID:22825						
DS_ID:20766						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Pipe buried. Water flows to low spot and dissappears, but pipe not visible.						
FIELD_STRUCT_DESC: 24-inch pipe through the levee 8-feet below the crown, flap gate on waterward end. Originally included in O+M manual (1957). As-built drawing No. 50-4-2394.						
FS Date: 10/2/2013						

Photo 1 of 3 : UCIP_FA_2018_22825_38952.jpg



Low spot with water on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	3.29	Rating **	M	Issue No.	285 (cont)	
LM End	3.29	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.947484 °	39.947484 °	
				-122.049011 °	-122.049011 °	
DWR ID	20766					
Comment Code						
Inspector Comment						
FS_ID:22825						
DS_ID:20766						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Pipe buried. Water flows to low spot and dissapears, but pipe not visible.						
FIELD_STRUCT_DESC: 24-inch pipe through the levee 8-feet below the crown, flap gate on waterward end. Originally included in O+M manual (1957). As-built drawing No. 50-4-2394.						
FS Date: 10/2/2013						

Photo 2 of 3 : UCIP_FA_2018_22825_38951.jpg



Low spot with water on LS toe.

LM Start	3.29	Rating **	M	Issue No.	285 (cont)
LM End	3.29	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2018_22825_38953.jpg



Low spot on LS toe where water dissappears from levee toe. Unable to identify exact location of pipe on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	3.46	Rating **	M	Issue No.	34
LM End	3.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.946831 °	39.946831 °
				-122.051940 °	-122.051940 °
DWR ID	DWR_NA0019_01_f_2016_34				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	3.58	Rating **	M	Issue No.	35
LM End	3.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.946051 °	39.946051 °
				-122.053985 °	-122.053985 °
DWR ID	DWR_NA0019_01_f_2016_35				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0019_78_35_20180905_00011.jpg



View of the vegetation along the landside slope and toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	3.59	Rating **	M	Issue No.	286
LM End	3.59	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.945964 °	39.945964 °
				-122.054229 °	-122.054229 °
DWR ID	24687				
Comment Code					
Inspector Comment					
FS_ID:23007 DS_ID:24687 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 48-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end. FS Date: 10/3/2013					

Photo 1 of 3 : UCIP_FA_2018_23007_39070.jpg



Pipe visible on LS toe.

LM Start	3.59	Rating **	M	Issue No.	286 (cont)
LM End	3.59	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_23007_39069.jpg



Pipe visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	3.59	Rating **	M	Issue No.	286 (cont)	
LM End	3.59	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.945964 °	39.945964 °	
				-122.054229 °	-122.054229 °	
DWR ID	24687					
Comment Code						
Inspector Comment						
FS_ID:23007 DS_ID:24687 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 48-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end. FS Date: 10/3/2013						

Photo 3 of 3 : UCIP_FA_2018_23007_39068.jpg



Flapgate visible on WS toe.

LM Start	3.60	Rating **	M	Issue No.	287	
LM End	3.60	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.945952 °	39.945952 °	
				-122.054259 °	-122.054259 °	
DWR ID	24688					
Comment Code						
Inspector Comment						
FS_ID:39836						
DS_ID:24688						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: No permit identified for this crossing. Brush should be removed from flapgate outlet.						
FIELD_STRUCT_DESC: 48-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end.						
FS Date: 10/3/2013						

Photo 1 of 3 : UCIP_FA_2018_39836_39073.jpg



Pipe visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	3.60	Rating **	M	Issue No.	287 (cont)	
LM End	3.60	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.945952 °	39.945952 °	
				-122.054259 °	-122.054259 °	
DWR ID	24688					
Comment Code						
Inspector Comment						
FS_ID:39836						
DS_ID:24688						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: No permit identified for this crossing. Brush should be removed from flapgate outlet.						
FIELD_STRUCT_DESC: 48-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end.						
FS Date: 10/3/2013						

Photo 2 of 3 : UCIP_FA_2018_39836_39072.jpg



Pipe visible on LS toe.

LM Start	3.60	Rating **	M	Issue No.	287 (cont)
LM End	3.60	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2018_39836_39071.jpg



Flapgate visible on WS toe covered in brush.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	3.60	Rating **	U	Issue No.	288	
LM End	3.60	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.945928 °	39.945928 °	
				-122.054305 °	-122.054305 °	
DWR ID	24689					
Comment Code						
Inspector Comment						
FS_ID:53393 DS_ID:24689 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/15/2018 Per conversation with district manager Ryan Teubert one of the hinges of flap gate at WS end was bent that makes impossible to close gate completely. Brush at outlet. (O.Yakimov - DWR)12/05/2016 same as last inspection. Crossing has been downgraded from Urgent to Non-Urgent WS flap gate is closed. Recommend clearing dense vegetation on WS and completing an internal inspection to determine condition of the pipe through the levee. (O. Magana - DWR UCIP)10/03/2013 Flapgate does not fully close. Needs brush cleared away from outlet. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Flap gate located on the waterside (WS) end. Concrete headwall located on the landside (LS) toe. FS Date: 10/15/2018 3:35:12 PM						

LM Start	3.60	Rating **	U	Issue No.	288 (cont)
LM End	3.60	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_53393_78194.jpg



Gap is visible between flap gate and pipe.

Photo 2 of 3 : UCIP_FA_2018_53393_39074.jpg



Flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	3.60	Rating **	U	Issue No.	288 (cont)							
LM End	3.60	Issue Type +	En	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DWR UCIP Field Study		39.945928 °	39.945928 °								
			-122.054305 °	-122.054305 °								
DWR ID	24689											
Comment Code												
Inspector Comment												
FS_ID:53393 DS_ID:24689 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/15/2018 Per conversation with district manager Ryan Teubert one of the hinges of flap gate at WS end was bent that makes impossible to close gate completely. Brush at outlet. (O.Yakimov - DWR)12/05/2016 same as last inspection. Crossing has been downgraded from Urgent to Non-Urgent WS flap gate is closed. Recommend clearing dense vegetation on WS and completing an internal inspection to determine condition of the pipe through the levee. (O. Magana - DWR UCIP)10/03/2013 Flapgate does not fully close. Needs brush cleared away from outlet. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Flap gate located on the waterside (WS) end. Concrete headwall located on the landside (LS) toe. FS Date: 10/15/2018 3:35:12 PM												

Photo 3 of 3 : UCIP_FA_2018_53393_76790.jpg



Flap gate visible on WS.

LM Start	3.61	Rating **	U	Issue No.	36							
LM End	3.69	Issue Type +	En	Location *	LS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Encroachments		39.945845 °	39.944878 °								
			-122.054329 °	-122.053281 °								
DWR ID	DWR_NA0019_01_f_2016_36											
Comment Code												
DT : Ditch												
Inspector Comment												

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	3.68	Rating **	M	Issue No.	15
LM End	3.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.945045°	39.945045°
				-122.053469°	-122.053469°
DWR ID	DWR_NA0019_01_f_2012_15				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0019_78_15_20180905_00003.jpg



View of the erosion caused by livestock along the landside slope.

LM Start	3.75	Rating **	M	Issue No.	289
LM End	3.75	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.944460 °	39.944460 °
				-122.053930 °	-122.053930 °
DWR ID	20763				
Comment Code					
Inspector Comment					
FS_ID:23094 DS_ID:20763 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion on WS toe. FIELD_STRUCT_DESC: 12-inch concrete drainage pipe, through the levee, 2-feet below the crown. FS Date: 10/3/2013					

Photo 1 of 3 : UCIP_FA_2018_23094_39307.jpg



Concrete pipe at inlet on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	3.75	Rating **	M	Issue No.	289 (cont)	
LM End	3.75	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.944460 °		39.944460 °
				-122.053930 °		-122.053930 °
DWR ID	20763					
Comment Code						
Inspector Comment						
FS_ID:23094 DS_ID:20763 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion on WS toe. FIELD_STRUCT_DESC: 12-inch concrete drainage pipe, through the levee, 2-feet below the crown. FS Date: 10/3/2013						

Photo 2 of 3 : UCIP_FA_2018_23094_39306.jpg



Concrete pipe at outlet on WS toe.

LM Start	3.75	Rating **	M	Issue No.	289 (cont)
LM End	3.75	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2018_23094_39305.jpg



Concrete pipe at outlet on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	3.75	Rating **	M	Issue No.	290	
LM End	3.75	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.944426 °	39.944426 °	
				-122.054045 °	-122.054045 °	
DWR ID	24691					
Comment Code						
Inspector Comment						
FS_ID:23092						
DS_ID:24691						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Outlet substantially blocked at WS toe. No permit identified for this crossing.						
FIELD_STRUCT_DESC: 10-inch reinforced concrete irrigation pipe through the levee, 2 feet below the crown. Slide gate at terminal end of concrete channel on the landside (LS) shoulder.						
FS Date: 10/3/2013						

Photo 1 of 3 : UCIP_FA_2018_23092_39298.jpg



Slide panel at inlet on LS shoulder.

LM Start	3.75	Rating **	M	Issue No.	290 (cont)
LM End	3.75	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_23092_39297.jpg



Pipe outlet on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	3.75	Rating **	M	Issue No.	290 (cont)	
LM End	3.75	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.944426°	39.944426°	
				-122.054045°	-122.054045°	
DWR ID	24691					
Comment Code						
Inspector Comment						
FS_ID:23092						
DS_ID:24691						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Outlet substantially blocked at WS toe. No permit identified for this crossing.						
FIELD_STRUCT_DESC: 10-inch reinforced concrete irrigation pipe through the levee, 2 feet below the crown. Slide gate at terminal end of concrete channel on the landside (LS) shoulder.						
FS Date: 10/3/2013						

Photo 3 of 3 : UCIP_FA_2018_23092_39296.jpg



Pipe outlet on WS toe.

LM Start	3.75	Rating **	M	Issue No.	16
LM End	3.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.944407°	39.944407°
				-122.054104°	-122.054104°
DWR ID	DWR_NA0019_01_f_2016_16				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0019_78_16_20180905_00004.jpg



View of a bush obstructing visibility.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	3.99	Rating **	M	Issue No.	44
LM End	3.99	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.941990 °	39.941990 °
				-122.057140 °	-122.057140 °
DWR ID	DWR_NA0019_01_f_2018_44				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0019_78_44_20181008_00063.jpg



View of the tree limb along the waterside slope.

LM Start	4.03	Rating **	A/W	Issue No.	291
LM End	4.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.941574 °	39.941574 °
				-122.057597 °	-122.057597 °
DWR ID	20760				
Comment Code					
Inspector Comment					
FS_ID:21741					
DS_ID:20760					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe					
through the levee, 5 feet below the crown. Flap gate on the waterside					
(WS) end. Headwalls on both sides of levee. [Additional Reference(s):					
DWR Levee Log, 1992. USACE Sacramento O&M Manual 509, March					
1957, (Assumed Station 5+00) Drawing No. 50-4-2394].					
FS Date: 10/3/2013					

Photo 1 of 3 : UCIP_FA_2018_21741_36937.jpg



Pipe and concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	4.03	Rating **	A/W	Issue No.	291 (cont)	
LM End	4.03	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.941574 °	39.941574 °	
				-122.057597 °	-122.057597 °	
DWR ID	20760					
Comment Code						
Inspector Comment						
FS_ID:21741						
DS_ID:20760						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Flap gate on the waterside (WS) end. Headwalls on both sides of levee. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 509, March 1957, (Assumed Station 5+00) Drawing No. 50-4-2394].						
FS Date: 10/3/2013						

LM Start	4.03	Rating **	A/W	Issue No.	291 (cont)
LM End	4.03	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_21741_36936.jpg



Flapgate on WS toe.

Photo 3 of 3 : UCIP_FA_2018_21741_36935.jpg



Flapgate and concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	4.11	Rating **	U	Issue No.	292	
LM End	4.11	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.940933 °	39.940933 °	
				-122.058894 °	-122.058894 °	
DWR ID	20762					
Comment Code						
Inspector Comment						
FS_ID:53395 DS_ID:20762 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/15/2018 Missing flap gate at WS end of the pipe. Pipe is partially blocked with silt. Updated coordinates and CLM. (O.Yakimov - DWR)12/05/2016 unable to complete inspection -- unable to locate. (O. Magana - DWR UCIP)10/03/2013 Gate missing from WS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.5 feet below the crown. Flap gate located on the waterside (WS) end. Concrete headwall located on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 509, March 1957, As-built drawing no. 50-4-2394 (Station 0+65)]. FS Date: 10/15/2018 3:37:24 PM						

Photo 1 of 3 : UCIP_FA_2018_53395_36942.jpg



Inlet on LS toe.

LM Start	4.11	Rating **	U	Issue No.	292 (cont)
LM End	4.11	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_53395_36941.jpg



Concrete headwall at inlet on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/02/2018 10/02/2018	Bob Duffey

LM Start	4.11	Rating **	U	Issue No.	292 (cont)	
LM End	4.11	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.940933 °	39.940933 °	
				-122.058894 °	-122.058894 °	
DWR ID	20762					
Comment Code						
Inspector Comment						
FS_ID:53395 DS_ID:20762 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/15/2018 Missing flap gate at WS end of the pipe. Pipe is partially blocked with silt. Updated coordinates and CLM. (O.Yakimov - DWR)12/05/2016 unable to complete inspection -- unable to locate. (O. Magana - DWR UCIP)10/03/2013 Gate missing from WS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.5 feet below the crown. Flap gate located on the waterside (WS) end. Concrete headwall located on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 509, March 1957, As-built drawing no. 50-4-2394 (Station 0+65)]. FS Date: 10/15/2018 3:37:24 PM						

Photo 3 of 3 : UCIP_FA_2018_53395_78187.jpg



Concrete headwall at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2018 Levee Inspection Results

Tehama County Flood Control and Water Conservation District

Waterway			Bank	Unit Miles
Unit No. 02 Deer Creek			Right	1.89
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/4/2018 - 4/4/2018		10/2/2018 - 10/2/2018	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Ryan Teubert Tehama County		Ryan Teubert Tehama County	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.89	10/02/2018 10/02/2018	Bob Duffey

LM Start	0.31	Rating **	M	Issue No.	20
LM End	0.31	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.970256 °	39.970256 °
				-122.014471 °	-122.014471 °
DWR ID	24683				
Comment Code					
Inspector Comment					
FS_ID:40789 DS_ID:24683 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 4-inch galvanized iron communications conduit through the levee, at an unknown depth. Pipe visible on upstream side of bridge. FS Date: 10/2/2013					

Photo 1 of 3 : UCIP_FA_2018_40789_39057.jpg



Communication line access box on WS shoulder.

LM Start	0.31	Rating **	M	Issue No.	20 (cont)
LM End	0.31	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_40789_39056.jpg



Communication line access box on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.89	10/02/2018 10/02/2018	Bob Duffey

LM Start	0.31	Rating **	M	Issue No.	20 (cont)	
LM End	0.31	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.970256 °	39.970256 °	
				-122.014471 °	-122.014471 °	
DWR ID	24683					
Comment Code						
Inspector Comment						
FS_ID:40789						
DS_ID:24683						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: No permit identified for this crossing.						
FIELD_STRUCT_DESC: 4-inch galvanized iron communications						
conduit through the levee, at an unknown depth. Pipe visible on						
upstream side of bridge.						
FS Date: 10/2/2013						

Photo 3 of 3 : UCIP_FA_2018_40789_39055.jpg



Communication line conduit visible on upstream side of bridge at WS.

LM Start	0.32	Rating **	M	Issue No.	11
LM End	0.34	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.970193 °	39.970188 °
				-122.014738 °	-122.015034 °
DWR ID	DWR_NA0019_02_s_2016_11				
Comment Code					
DT : Ditch					
Inspector Comment					
Concrete-lined.					

Photo 1 of 1 : FA_2018_NA0019_79_11_20180905_00004.jpg



View of a concrete-lined ditch along the levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.89	10/02/2018 10/02/2018	Bob Duffey

LM Start	0.34	Rating **	M	Issue No.	4
LM End	0.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.970210 °	39.970210 °
				-122.015198 °	-122.015198 °
DWR ID	DWR_NA0019_02_s_2012_4				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0019_79_4_20180905_00002.jpg



View of the concrete pile along the waterside toe.

LM Start	0.35	Rating **	M	Issue No.	14
LM End	0.35	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.970153 °	39.970153 °
				-122.015194 °	-122.015194 °
DWR ID	DWR_NA0019_02_f_2016_14				
Comment Code					
FW : Firewood					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0019_79_14_20180905_00007.jpg



View of the firewood along the waterside slope.

LM Start	0.35	Rating **	M	Issue No.	7
LM End	0.35	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.970117 °	39.970117 °
				-122.015365 °	-122.015365 °
DWR ID	DWR_NA0019_02_s_2012_7				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0019_79_7_20180905_00003.jpg



View of a building along the levee toe.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.89	10/02/2018 10/02/2018	Bob Duffey

LM Start	0.64	Rating **	M	Issue No.	15
LM End	0.64	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.968704 °	39.968704 °
				-122.020172 °	-122.020172 °
DWR ID	DWR_NA0019_02_f_2016_15				
Comment Code					
FW : Firewood					
Inspector Comment					

No Photos

LM Start	0.68	Rating **	M	Issue No.	21	
LM End	0.68	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.968818 °	39.968818 °	
				-122.020904 °	-122.020904 °	
DWR ID	20771					
Comment Code						
Inspector Comment						
FS_ID:51442 DS_ID:20771 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 12/05/2016 Crossing has been downgraded from Urgent to Non-Urgent some debris blocking proper function of flapgate on WS. Recommend clearing debris from WS for flapgate to function properly. (O. Magana - DWR UCIP)10/01/2013 Debris blocking proper function of flapgate on WS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch steel drainage pipe through the levee, 8.3 feet below the crown. Flap gate located on the waterside (WS) end. Concrete headwall located on the landside (LS). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 509, March 1957, Unit 510, April 1963, Unit 511, May 1973, Unit 512, March 1964, Unit 513, December 1970, As-builts drawing 50-4-2394 (Station 155+40)]. FS Date: 12/5/2016						

Photo 1 of 3 : UCIP_FA_2018_51442_36902.jpg



Concrete headwall at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.89	10/02/2018 10/02/2018	Bob Duffey

LM Start	0.68	Rating **	M	Issue No.	21 (cont)	
LM End	0.68	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.968818 °	39.968818 °	
				-122.020904 °	-122.020904 °	
DWR ID	20771					
Comment Code						
Inspector Comment						
FS_ID:51442 DS_ID:20771 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 12/05/2016 Crossing has been downgraded from Urgent to Non-Urgent some debris blocking proper function of flapgate on WS. Recommend clearing debris from WS for flapgate to function properly. (O. Magana - DWR UCIP)10/01/2013 Debris blocking proper function of flapgate on WS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch steel drainage pipe through the levee, 8.3 feet below the crown. Flap gate located on the waterside (WS) end. Concrete headwall located on the landside (LS). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 509, March 1957, Unit 510, April 1963, Unit 511, May 1973, Unit 512, March 1964, Unit 513, December 1970, As-builts drawing 50-4-2394 (Station 155+40)]. FS Date: 12/5/2016						

LM Start	0.68	Rating **	M	Issue No.	21 (cont)
LM End	0.68	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_51442_36901.jpg



Concrete headwall at LS toe.

Photo 3 of 3 : UCIP_FA_2018_51442_36900.jpg



Outlet on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.89	10/02/2018 10/02/2018	Bob Duffey

LM Start	0.79	Rating **	A	Issue No.	19
LM End	1.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.968679 °	39.964525 °
				-122.022938 °	-122.031142 °
DWR ID	DWR_NA0019_02_f_2017_19				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
The vegetation was removed from the landside slopes.					

Photo 1 of 1 : FA_2018_NA0019_79_19_20181008_00016.jpg



View of no vegetation along the landside slope.

LM Start	0.81	Rating **	M	Issue No.	12
LM End	0.85	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.968530 °	39.968248 °
				-122.023305 °	-122.023900 °
DWR ID	DWR_NA0019_02_s_2017_12				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair the crown roadway.					

Photo 1 of 1 : FA_2018_NA0019_79_12_20180905_00005.jpg



View of the erosion on the crown roadway.

LM Start	0.81	Rating **	M	Issue No.	17
LM End	0.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.968530 °	39.968248 °
				-122.023305 °	-122.023900 °
DWR ID	DWR_NA0019_02_s_2017_17				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair the erosion along the landside slope.					

Photo 1 of 1 : FA_2018_NA0019_79_17_20180905_00008.jpg



View of the erosion along the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.89	10/02/2018 10/02/2018	Bob Duffey

LM Start	0.82	Rating **	A/W	Issue No.	18	
LM End	0.83	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			39.968560 °	39.968400 °	
				-122.023400 °	-122.023600 °	
DWR ID	DWR_NA0019_02_f_2017_18					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:177						
Site Designation:LMA-24						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:6/6/2017						
Notes: No real problem in concern to erosion is visible, the problem was this site had overtopping during 2017 storms. Solution would be to raise levee crest or any other form of raising the levee. Sandbags were present.						

No Photos

LM Start	0.85	Rating **	M	Issue No.	1
LM End	0.90	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			39.968165 °	39.967766 °
				-122.023828 °	-122.024620 °
DWR ID	DWR_ST0010_02_f_2022_14				
Comment Code					
Inspector Comment					
2017 Site ID: DEC 0.9 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2006 - Banks are composed of lithified cobble alluvial soils (relict alluvial fan deposits). Slow erosion of lithified lower bank materials with faster erosion of overlying less cohesive soils resulting in channel "skating" across lithified horizon. 2011 - The Deer Creek Watershed Conservation Group is planning a reach-wide repair for Deer Creek.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2018 Levee Inspection Results

Tehama County Flood Control and Water Conservation District

Waterway			Bank	Unit Miles
Unit No. 04 Elder Creek			Left	3.98
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/4/2018 - 4/4/2018		10/2/2018 - 10/2/2018	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Ryan Teubert Tehama County		Ryan Teubert Tehama County	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	0.25	Rating **	A/W	Issue No.	917
LM End	0.25	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			40.051604 °	40.051604 °
				-122.184431 °	-122.184431 °
DWR ID	20775				
Comment Code					
Inspector Comment					
FS_ID:21795 DS_ID:20775 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.26) Drawing No. 50-4-3622]. FS Date: 10/3/2013					

LM Start	0.25	Rating **	A/W	Issue No.	917 (cont)
LM End	0.25	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_21795_37074.jpg



Concrete U-shaped headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2018_21795_37073.jpg



Concrete U-shaped headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	0.25	Rating **	A/W	Issue No.	917 (cont)
LM End	0.25	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			40.051604 °	40.051604 °
				-122.184431 °	-122.184431 °
DWR ID	20775				
Comment Code					
Inspector Comment					
FS_ID:21795 DS_ID:20775 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.26) Drawing No. 50-4-3622]. FS Date: 10/3/2013					

Photo 3 of 3 : UCIP_FA_2018_21795_37072.jpg



Concrete U-shaped headwall on WS toe.

LM Start	0.38	Rating **	A/W	Issue No.	918	
LM End	0.38	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			40.051572 °		40.051572 °
				-122.182093 °		-122.182093 °
DWR ID	20776					
Comment Code						
Inspector Comment						
FS_ID:22826						
DS_ID:20776						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.5 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.39) Drawing No. 50-4-3622].						
FS Date: 10/3/2013						

Photo 1 of 3 : UCIP_FA_2018_22826_38961.jpg



Concrete U-shaped headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	0.38	Rating **	A/W	Issue No.	918 (cont)	
LM End	0.38	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			40.051572°	40.051572°	
				-122.182093°	-122.182093°	
DWR ID	20776					
Comment Code						
Inspector Comment						
FS_ID:22826						
DS_ID:20776						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.5 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.39) Drawing No. 50-4-3622].						
FS Date: 10/3/2013						

LM Start	0.38	Rating **	A/W	Issue No.	918 (cont)
LM End	0.38	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_22826_38960.jpg



Concrete U-shaped headwall on LS toe.

Photo 3 of 3 : UCIP_FA_2018_22826_38963.jpg



Concrete U-shaped headwall with concrete swale on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	0.51	Rating **	A/W	Issue No.	919
LM End	0.51	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			40.051211 °	40.051211 °
				-122.179663 °	-122.179663 °
DWR ID	20777				
Comment Code					
Inspector Comment					
FS_ID:21793					
DS_ID:20777					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.52) Drawing No. 50-4-3622].					
FS Date: 10/3/2013					

LM Start	0.51	Rating **	A/W	Issue No.	919 (cont)
LM End	0.51	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_21793_37069.jpg



Concrete U-shaped headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2018_21793_37068.jpg



Concrete U-shaped headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	0.51	Rating **	A/W	Issue No.	919 (cont)	
LM End	0.51	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			40.051211 °	40.051211 °	
				-122.179663 °	-122.179663 °	
DWR ID	20777					
Comment Code						
Inspector Comment						
FS_ID:21793 DS_ID:20777 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.52) Drawing No. 50-4-3622]. FS Date: 10/3/2013						

Photo 3 of 3 : UCIP_FA_2018_21793_37067.jpg



Concrete U-shaped headwall and flapgate on WS toe.

LM Start	0.64	Rating **	A/W	Issue No.	920	
LM End	0.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			40.051699 °		40.051699 °
				-122.177320 °		-122.177320 °
DWR ID	20778					
Comment Code						
Inspector Comment						
FS_ID:21792 DS_ID:20778 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal drainage pipe through the levee, 8.6 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.65) Drawing No. 50-4-3622]. FS Date: 10/3/2013						

Photo 1 of 3 : UCIP_FA_2018_21792_37065.jpg



Concrete U-shaped headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	0.64	Rating **	A/W	Issue No.	920 (cont)
LM End	0.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			40.051699 °	40.051699 °
				-122.177320 °	-122.177320 °
DWR ID	20778				
Comment Code					
Inspector Comment					
FS_ID:21792 DS_ID:20778 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal drainage pipe through the levee, 8.6 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.65) Drawing No. 50-4-3622]. FS Date: 10/3/2013					

Photo 2 of 3 : UCIP_FA_2018_21792_37064.jpg



Concrete U-shaped headwall on WS toe.

LM Start	0.64	Rating **	A/W	Issue No.	920 (cont)
LM End	0.64	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2018_21792_37063.jpg



Concrete U-shaped headwall and flapgate on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	0.64	Rating **	M	Issue No.	921
LM End	0.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			40.051702°	40.051702°
				-122.177308°	-122.177308°
DWR ID	20880				
Comment Code					
Inspector Comment					
FS_ID:51443 DS_ID:20880 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 12/05/2016 Crossing has been downgraded from Urgent to Non-Urgent vegetation found on WS but does not appear to prevent proper function of flap gate. Recommend clearing dry vegetation on WS above concrete headwall.(O. Magana - DWR UCIP)10/03/2013 Flapgate operation hindered by soil and vegetation on WS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal drainage pipe through levee, 8.6 feet below crown. Flap gate and concrete "U" headwall located on the waterside (WS) end. Concrete "U" headwall located on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual, Unit 510, April 1963, As-built drawing No. 50-4-3622 (HLM 0.65)] FS Date: 12/5/2016					

LM Start	0.64	Rating **	M	Issue No.	921 (cont)
LM End	0.64	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_51443_37061.jpg



Concrete U-shaped headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2018_51443_37060.jpg



Concrete U-shaped headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	0.64	Rating **	M	Issue No.	921 (cont)	
LM End	0.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			40.051702°	40.051702°	
				-122.177308°	-122.177308°	
DWR ID	20880					
Comment Code						
Inspector Comment						
FS_ID:51443 DS_ID:20880 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 12/05/2016 Crossing has been downgraded from Urgent to Non-Urgent vegetation found on WS but does not appear to prevent proper function of flap gate. Recommend clearing dry vegetation on WS above concrete headwall.(O. Magana - DWR UCIP)10/03/2013 Flapgate operation hindered by soil and vegetation on WS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal drainage pipe through levee, 8.6 feet below crown. Flap gate and concrete "U" headwall located on the waterside (WS) end. Concrete "U" headwall located on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual, Unit 510, April 1963, As-built drawing No. 50-4-3622 (HLM 0.65)] FS Date: 12/5/2016						

Photo 3 of 3 : UCIP_FA_2018_51443_37059.jpg



Concrete U-shaped headwall and flapgate on WS toe.

LM Start	0.73	Rating **	M	Issue No.	13
LM End	0.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			40.052003°	40.052003°
				-122.175687°	-122.175687°
DWR ID	DWR_NA0019_04_f_2016_13				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0019_81_13_20180905_00008.jpg



View of a tree with overhanging branches.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	0.75	Rating **	A/W	Issue No.	922
LM End	0.75	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			40.052194 °	40.052194 °
				-122.175390 °	-122.175390 °
DWR ID	20779				
Comment Code					
Inspector Comment					
FS_ID:21790 DS_ID:20779 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.8 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.76) Drawing No. 50-4-3622]. FS Date: 10/3/2013					

LM Start	0.75	Rating **	A/W	Issue No.	922 (cont)
LM End	0.75	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_21790_37057.jpg



Concrete U-shaped headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2018_21790_37056.jpg



Concrete U-shaped headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	0.75	Rating **	A/W	Issue No.	922 (cont)	
LM End	0.75	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			40.052194 °		40.052194 °
				-122.175390 °		-122.175390 °
DWR ID	20779					
Comment Code						
Inspector Comment						
FS_ID:21790 DS_ID:20779 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.8 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.76) Drawing No. 50-4-3622]. FS Date: 10/3/2013						

Photo 3 of 3 : UCIP_FA_2018_21790_37055.jpg



Concrete U-shaped headwall on LS toe.

LM Start	0.91	Rating **	A/W	Issue No.	923	
LM End	0.91	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			40.053401 °		40.053401 °
				-122.172848 °		-122.172848 °
DWR ID	20780					
Comment Code						
Inspector Comment						
FS_ID:22827 DS_ID:20780 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.5 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.93) Drawing No. 50-4-3622]. FS Date: 10/3/2013						

Photo 1 of 3 : UCIP_FA_2018_22827_38970.jpg



Concrete U-shaped headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	0.91	Rating **	A/W	Issue No.	923 (cont)
LM End	0.91	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			40.053401 °	40.053401 °
				-122.172848 °	-122.172848 °
DWR ID	20780				
Comment Code					
Inspector Comment					
FS_ID:22827 DS_ID:20780 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.5 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.93) Drawing No. 50-4-3622]. FS Date: 10/3/2013					

Photo 2 of 3 : UCIP_FA_2018_22827_38969.jpg



Concrete U-shaped headwall on WS toe.

LM Start	0.91	Rating **	A/W	Issue No.	923 (cont)
LM End	0.91	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2018_22827_38972.jpg



Flapgate on headwall at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	0.92	Rating **	M	Issue No.	50
LM End	0.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			40.053420 °	40.053420 °
				-122.172617 °	-122.172617 °
DWR ID	DWR_NA0019_04_f_2017_50				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the tree from the waterside toe.					

Photo 1 of 1 : FA_2018_NA0019_81_50_20180905_00022.jpg



View of the tree along waterside toe.

LM Start	1.07	Rating **	A/W	Issue No.	924
LM End	1.07	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			40.052400 °	40.052400 °
				-122.170279 °	-122.170279 °
DWR ID	20790				
Comment Code					
Inspector Comment					
FS_ID:21788					
DS_ID:20790					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 1.10) Drawing No. 50-4-3622].					
FS Date: 10/3/2013					

Photo 1 of 3 : UCIP_FA_2018_21788_37050.jpg



Concrete U-shaped headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	1.07	Rating **	A/W	Issue No.	924 (cont)
LM End	1.07	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			40.052400 °	40.052400 °
				-122.170279 °	-122.170279 °
DWR ID	20790				
Comment Code					
Inspector Comment					
FS_ID:21788 DS_ID:20790 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 1.10) Drawing No. 50-4-3622]. FS Date: 10/3/2013					

LM Start	1.07	Rating **	A/W	Issue No.	924 (cont)
LM End	1.07	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_21788_37053.jpg



Concrete U-shaped headwall and flapgate on WS toe.

Photo 3 of 3 : UCIP_FA_2018_21788_37052.jpg



Concrete U-shaped headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	1.11	Rating **	A/W	Issue No.	925
LM End	1.11	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			40.051958 °	40.051958 °
				-122.170031 °	-122.170031 °
DWR ID	20773				
Comment Code					
Inspector Comment					
FS_ID:21786					
DS_ID:20773					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.1 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 1.12) Drawing No. 50-4-3622].					
FS Date: 10/3/2013					

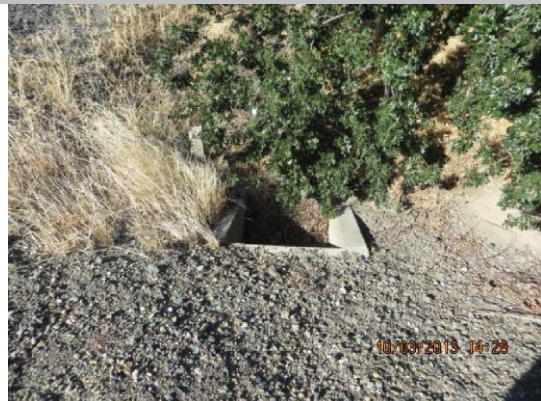
LM Start	1.11	Rating **	A/W	Issue No.	925 (cont)
LM End	1.11	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_FA_2018_21786_37048.jpg



Concrete U-shaped headwall and flapgate on WS slope.

Photo 2 of 2 : UCIP_FA_2018_21786_37047.jpg



Concrete U-shaped headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	1.12	Rating **	M	Issue No.	27
LM End	1.12	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.051950 °	40.051950 °
				-122.169872 °	-122.169872 °
DWR ID	DWR_NA0019_04_f_2016_27				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0019_81_27_20180905_00015.jpg



View of the slope instability caused by vehicles.

LM Start	1.15	Rating **	M	Issue No.	51
LM End	1.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			40.051848 °	40.051848 °
				-122.169295 °	-122.169295 °
DWR ID	DWR_NA0019_04_f_2017_51				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Repair the rodent holes along the landside slope.					

Photo 1 of 1 : FA_2018_NA0019_81_51_20180905_00023.jpg



View of the rodent holes along the landside slope.

LM Start	1.26	Rating **	M	Issue No.	48
LM End	1.26	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			40.051722 °	40.051722 °
				-122.167327 °	-122.167327 °
DWR ID	DWR_NA0019_04_f_2018_48				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the tree limb from the crown roadway.					

Photo 1 of 1 : FA_2018_NA0019_81_48_20181008_00079.jpg



View of the tree limb that is fallen on the crown roadway.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	1.30	Rating **	A/W	Issue No.	926
LM End	1.30	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			40.051563 °	40.051563 °
				-122.166630 °	-122.166630 °
DWR ID	20782				
Comment Code					
Inspector Comment					
FS_ID:21778 DS_ID:20782 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.5 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 1.30) Drawing No. 50-4-3622]. FS Date: 10/3/2013					

LM Start	1.30	Rating **	A/W	Issue No.	926 (cont)
LM End	1.30	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_21778_37037.jpg



Concrete U-shaped headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2018_21778_37036.jpg



Concrete U-shaped headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	1.30	Rating **	A/W	Issue No.	926 (cont)	
LM End	1.30	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			40.051563 °		40.051563 °
				-122.166630 °		-122.166630 °
DWR ID	20782					
Comment Code						
Inspector Comment						
FS_ID:21778						
DS_ID:20782						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.5 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 1.30) Drawing No. 50-4-3622].						
FS Date: 10/3/2013						

Photo 3 of 3 : UCIP_FA_2018_21778_37035.jpg



Concrete U-shaped headwall on LS toe.

LM Start	1.39	Rating **	M	Issue No.	16
LM End	1.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.051493 °	40.051493 °
				-122.164935 °	-122.164935 °
DWR ID	DWR_NA0019_04_f_2014_16				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0019_81_16_20180905_00011.jpg



View of the slope instability caused by vehicles along the waterside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	1.39	Rating **	M	Issue No.	28
LM End	1.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		40.051521°	40.051521°	
			-122.164877°	-122.164877°	
DWR ID	DWR_NA0019_04_f_2016_28				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	1.43	Rating **	A/W	Issue No.	49
LM End	1.49	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		40.051596°	40.051979°	
			-122.164179°	-122.163106°	
DWR ID	DWR_NA0019_04_f_2017_49				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Site ID No:179 Site Designation:DWR_NA0019_04_s_2012_9 Repair Type: Erosion Rating:Serious Field Date:6/6/2017 Notes: Rip rap armors the river bank (appears placed in recent years). The erosion scarp is 10' below the berm at a vertical angle.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	1.43	Rating **	A/W	Issue No.	5
LM End	1.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			40.051596 °	40.051979 °
				-122.164179 °	-122.163106 °
DWR ID	DWR_ST0010_02_f_2022_15				
Comment Code					
Inspector Comment					
2017 Site ID: ELC 1.4 L					
Status: Eroding					
2017 Field Notes: A large quarry stone placed since last inspection.					
Site History: 2006 - High vertical bank due to mass failures. Thalweg meandering and erosion of bank. Banks are cohesive with non-cohesive gravel horizons. 2011 - Foundation is silty-sand with gravel.					
New slumping at the toe, mass failure continues.					

No Photos

LM Start	1.44	Rating **	M	Issue No.	29
LM End	1.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.051785 °	40.051785 °
				-122.164075 °	-122.164075 °
DWR ID	DWR_NA0019_04_f_2016_29				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0019_81_29_20180905_00016.jpg



View of the slope instability caused by vehicles along the waterside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	1.56	Rating **	A/W	Issue No.	927
LM End	1.56	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			40.052495 °	40.052495 °
				-122.161921 °	-122.161921 °
DWR ID	20783				
Comment Code					
Inspector Comment					
FS_ID:21776 DS_ID:20783 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.8 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 1.57) Drawing No. 50-4-3622]. FS Date: 10/3/2013					

LM Start	1.56	Rating **	A/W	Issue No.	927 (cont)
LM End	1.56	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_21776_37029.jpg



Concrete U-shaped headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2018_21776_37028.jpg



Concrete U-shaped headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	1.56	Rating **	A/W	Issue No.	927 (cont)	
LM End	1.56	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			40.052495 °	40.052495 °	
				-122.161921 °	-122.161921 °	
DWR ID	20783					
Comment Code						
Inspector Comment						
FS_ID:21776						
DS_ID:20783						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.8 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 1.57) Drawing No. 50-4-3622].						
FS Date: 10/3/2013						

Photo 3 of 3 : UCIP_FA_2018_21776_37027.jpg



Concrete U-shaped headwall on LS toe.

LM Start	1.59	Rating **	M	Issue No.	3
LM End	1.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.052607 °	40.052705 °
				-122.161418 °	-122.161442 °
DWR ID	DWR_NA0019_04_f_2018_3				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Tehama Co. repaired the slope that was damaged by vehicle traffic, but the damage has returned. On 4/26/16, vehicle erosion area was repaired again, but should be monitored.					

Photo 1 of 2 : FA_2018_NA0019_81_3_20180905_00003.jpg



View of a dip along the levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	1.59	Rating **	M	Issue No.	3 (cont)	
LM End	1.59	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			40.052607 °		40.052705 °
				-122.161418 °		-122.161442 °
DWR ID	DWR_NA0019_04_f_2018_3					
Comment Code						
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.						
Inspector Comment						
Tehama Co. repaired the slope that was damaged by vehicle traffic, but the damage has returned. On 4/26/16, vehicle erosion area was repaired again, but should be monitored.						

Photo 2 of 2 : FA_2018_NA0019_81_3_20180905_00004.jpg



View of the levee slope damaged by vehicle traffic.

LM Start	1.69	Rating **	A/W	Issue No.	928
LM End	1.69	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			40.053590 °	40.053590 °
				-122.159982 °	-122.159982 °
DWR ID	20786				
Comment Code					
Inspector Comment					
FS_ID:21769					
DS_ID:20786					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 1 of 3: 36-inch corrugated metal drainage pipe through the levee, 7.3 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 1.70) Drawing No. 50-4-3622].					
FS Date: 10/3/2013					

Photo 1 of 3 : UCIP_FA_2018_21769_37004.jpg



Concrete inlet on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	1.69	Rating **	A/W	Issue No.	928 (cont)	
LM End	1.69	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			40.053590 °	40.053590 °	
				-122.159982 °	-122.159982 °	
DWR ID	20786					
Comment Code						
Inspector Comment						
FS_ID:21769						
DS_ID:20786						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 1 of 3: 36-inch corrugated metal drainage pipe through the levee, 7.3 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 1.70) Drawing No. 50-4-3622].						
FS Date: 10/3/2013						

LM Start	1.69	Rating **	A/W	Issue No.	928 (cont)
LM End	1.69	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_21769_37003.jpg



Concrete inlet on WS toe.

Photo 3 of 3 : UCIP_FA_2018_21769_37002.jpg



Concrete inlet on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	1.69	Rating **	A/W	Issue No.	929
LM End	1.69	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			40.053601 °	40.053601 °
				-122.159966 °	-122.159966 °
DWR ID	20883				
Comment Code					
Inspector Comment					
FS_ID:21768 DS_ID:20883 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 2 of 3: 36-inch corrugated metal drainage pipe through the levee, 7.3 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 1.70) Drawing No. 50-4-3622]. FS Date: 10/3/2013					

Photo 1 of 3 : UCIP_FA_2018_21768_37000.jpg



Concrete headwall on LS toe.

LM Start	1.69	Rating **	A/W	Issue No.	929 (cont)
LM End	1.69	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_21768_36999.jpg



Concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	1.69	Rating **	A/W	Issue No.	929 (cont)
LM End	1.69	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			40.053601 °	40.053601 °
				-122.159966 °	-122.159966 °
DWR ID	20883				
Comment Code					
Inspector Comment					
FS_ID:21768 DS_ID:20883 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 2 of 3: 36-inch corrugated metal drainage pipe through the levee, 7.3 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 1.70) Drawing No. 50-4-3622]. FS Date: 10/3/2013					

Photo 3 of 3 : UCIP_FA_2018_21768_36998.jpg



Concrete headwall on LS toe.

LM Start	1.69	Rating **	A/W	Issue No.	930	
LM End	1.69	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			40.053614 °		40.053614 °
				-122.159956 °		-122.159956 °
DWR ID	20884					
Comment Code						
Inspector Comment						
FS_ID:21767 DS_ID:20884 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 3 of 3: 36-inch corrugated metal drainage pipe through the levee, 7.3 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 1.70) Drawing No. 50-4-3622]. FS Date: 10/3/2013						

Photo 1 of 3 : UCIP_FA_2018_21767_36996.jpg



Concrete headwall on LS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	1.69	Rating **	A/W	Issue No.	930 (cont)	
LM End	1.69	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			40.053614 °	40.053614 °	
				-122.159956 °	-122.159956 °	
DWR ID	20884					
Comment Code						
Inspector Comment						
FS_ID:21767 DS_ID:20884 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 3 of 3: 36-inch corrugated metal drainage pipe through the levee, 7.3 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 1.70) Drawing No. 50-4-3622]. FS Date: 10/3/2013						

Photo 2 of 3 : UCIP_FA_2018_21767_36995.jpg



Concrete headwall on WS toe.

LM Start	1.69	Rating **	A/W	Issue No.	930 (cont)
LM End	1.69	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2018_21767_36994.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	1.99	Rating **	A/W	Issue No.	931
LM End	1.99	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			40.052731 °	40.052731 °
				-122.154695 °	-122.154695 °
DWR ID	20787				
Comment Code					
Inspector Comment					
FS_ID:21766 DS_ID:20787 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal drainage pipe through the levee, 7.6 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 2.01) Drawing No. 50-4-3622]. FS Date: 10/3/2013					

LM Start	1.99	Rating **	A/W	Issue No.	931 (cont)
LM End	1.99	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_21766_36992.jpg



Concrete headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2018_21766_36991.jpg



Concrete headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	1.99	Rating **	A/W	Issue No.	931 (cont)
LM End	1.99	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			40.052731 °	40.052731 °
				-122.154695 °	-122.154695 °
DWR ID	20787				
Comment Code					
Inspector Comment					
FS_ID:21766 DS_ID:20787 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal drainage pipe through the levee, 7.6 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 2.01) Drawing No. 50-4-3622]. FS Date: 10/3/2013					

Photo 3 of 3 : UCIP_FA_2018_21766_36990.jpg



Flapgate on WS toe.

LM Start	1.99	Rating **	A/W	Issue No.	932	
LM End	1.99	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			40.052729 °	40.052729 °	
				-122.154673 °	-122.154673 °	
DWR ID	20885					
Comment Code						
Inspector Comment						
FS_ID:22828 DS_ID:20885 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal drainage pipe through the levee, 7.6 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 2.01) Drawing No. 50-4-3622]. FS Date: 10/3/2013						

Photo 1 of 3 : UCIP_FA_2018_22828_38978.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	1.99	Rating **	A/W	Issue No.	932 (cont)
LM End	1.99	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			40.052729 °	40.052729 °
				-122.154673 °	-122.154673 °
DWR ID	20885				
Comment Code					
Inspector Comment					
FS_ID:22828 DS_ID:20885 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal drainage pipe through the levee, 7.6 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 2.01) Drawing No. 50-4-3622]. FS Date: 10/3/2013					

LM Start	1.99	Rating **	A/W	Issue No.	932 (cont)
LM End	1.99	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_22828_38977.jpg



Concrete headwall and concrete channel on WS toe.

Photo 3 of 3 : UCIP_FA_2018_22828_38980.jpg



Flapgate on headwall at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	2.21	Rating **	A/W	Issue No.	933
LM End	2.21	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			40.051985 °	40.051985 °
				-122.150737 °	-122.150737 °
DWR ID	20788				
Comment Code					
Inspector Comment					
FS_ID:21763 DS_ID:20788 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.9 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 2.24) Drawing No. 50-4-3622]. FS Date: 10/3/2013					

LM Start	2.21	Rating **	A/W	Issue No.	933 (cont)
LM End	2.21	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_21763_36982.jpg



Concrete U-shaped headwall on WS slope.

Photo 2 of 3 : UCIP_FA_2018_21763_36981.jpg



Inlet off LS toe in channel.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	2.21	Rating **	A/W	Issue No.	933 (cont)
LM End	2.21	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			40.051985 °	40.051985 °
				-122.150737 °	-122.150737 °
DWR ID	20788				
Comment Code					
Inspector Comment					
FS_ID:21763 DS_ID:20788 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.9 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 2.24) Drawing No. 50-4-3622]. FS Date: 10/3/2013					

Photo 3 of 3 : UCIP_FA_2018_21763_36980.jpg



HDPE pipe inlet on LS toe.

LM Start	2.23	Rating **	M	Issue No.	934
LM End	2.23	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			40.052063 °	40.052063 °
				-122.150450 °	-122.150450 °
DWR ID	24695				
Comment Code					
Inspector Comment					
FS_ID:23051 DS_ID:24695 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: Fiber optics conduit of an unknown size or material through the levee, at an unknown depth. Signage on the landside (LS) visible. FS Date: 10/3/2013					

Photo 1 of 1 : UCIP_FA_2018_23051_39135.jpg



Fiber optic line markers off LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	2.28	Rating **	M	Issue No.	935	
LM End	2.28	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			40.052379 °	40.052379 °	
				-122.149534 °	-122.149534 °	
DWR ID	24694					
Comment Code						
Inspector Comment						
FS_ID:23045 DS_ID:24694 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 4-inch coated steel gas pipeline through the levee, 3.5 feet below the crown. Pipe visible on upstream side of bridge. FS Date: 10/3/2013						

Photo 1 of 2 : UCIP_FA_2018_23045_39106.jpg



Gasline on upstream side of bridge.

LM Start	2.28	Rating **	M	Issue No.	935 (cont)
LM End	2.28	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_FA_2018_23045_39105.jpg



Gasline on upstream side of bridge.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	2.32	Rating **	M	Issue No.	12
LM End	2.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.052443 °	40.052443 °
				-122.148863 °	-122.148863 °
DWR ID	DWR_NA0019_04_f_2013_12				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0019_81_12_20180905_00007.jpg



View of the slope instability caused by vehicles along the landside slope.

LM Start	2.35	Rating **	M	Issue No.	30
LM End	2.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.052450 °	40.052450 °
				-122.148352 °	-122.148352 °
DWR ID	DWR_NA0019_04_f_2016_30				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0019_81_30_20180905_00017.jpg



View of the slope instability caused by vehicles along the landside slope.

LM Start	2.37	Rating **	M	Issue No.	31
LM End	2.37	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			40.052451 °	40.052451 °
				-122.147962 °	-122.147962 °
DWR ID	DWR_NA0019_04_f_2016_31				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside toe.					

Photo 1 of 1 : FA_2018_NA0019_81_31_20180905_00018.jpg



View of the prunings along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	2.43	Rating **	M	Issue No.	20
LM End	2.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.052417 °	40.052417 °
				-122.146747 °	-122.146747 °
DWR ID	DWR_NA0019_04_s_2012_20				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0019_81_20_20180905_00012.jpg



View of the slope instability caused by vehicles along the landside slope.

LM Start	2.51	Rating **	M	Issue No.	2
LM End	2.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.052872 °	40.052872 °
				-122.145495 °	-122.145495 °
DWR ID	DWR_NA0019_04_s_2012_2				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0019_81_2_20180905_00002.jpg



View of the slope instability caused by vehicles along the landside slope.

LM Start	2.58	Rating **	M	Issue No.	32
LM End	2.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.053767 °	40.053767 °
				-122.144719 °	-122.144719 °
DWR ID	DWR_NA0019_04_f_2016_32				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0019_81_32_20180905_00019.jpg



View of the slope instability caused by vehicles along the landside slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	2.63	Rating **	M	Issue No.	15
LM End	2.63	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			40.054337°	40.054337°
				-122.144235°	-122.144235°
DWR ID	DWR_NA0019_04_s_2015_15				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the landside toe.					

Photo 1 of 2 : FA_2018_NA0019_81_15_20180905_00009.jpg



View of the prunings along the landside toe.

LM Start	2.63	Rating **	M	Issue No.	15 (cont)
LM End	2.63	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2018_NA0019_81_15_20180905_00010.jpg



View of the prunings along the landside toe.

LM Start	2.63	Rating **	M	Issue No.	4
LM End	2.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			40.054352 °	40.054352 °
				-122.144245 °	-122.144245 °
DWR ID	DWR_NA0019_04_s_2012_4				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	2.83	Rating **	M	Issue No.	916
LM End	2.86	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.055596 °	40.055985 °
				-122.141322 °	-122.141385 °
DWR ID	DWR_NA0019_04_s_2012_916				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0019_81_916_20180905_00024.jpg



View of the slope instability caused by vehicles along the waterside slope.

LM Start	3.01	Rating **	M	Issue No.	10
LM End	3.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.056388 °	40.056388 °
				-122.139168 °	-122.139168 °
DWR ID	DWR_NA0019_04_s_2012_10				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0019_81_10_20180905_00006.jpg



View of the slope instability caused by vehicles along the landside slope.

LM Start	3.02	Rating **	M	Issue No.	33
LM End	3.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.056388 °	40.056388 °
				-122.139003 °	-122.139003 °
DWR ID	DWR_NA0019_04_f_2016_33				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	3.04	Rating **	M	Issue No.	34
LM End	3.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		40.056353 °	40.056353 °	
			-122.138656 °	-122.138656 °	
DWR ID	DWR_NA0019_04_f_2016_34				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	3.05	Rating **	M	Issue No.	35
LM End	3.10	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		40.056405 °	40.056935 °	
			-122.138438 °	-122.138029 °	
DWR ID	DWR_NA0019_04_f_2016_35				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside toe.					

Photo 1 of 1 : FA_2018_NA0019_81_35_20180905_00020.jpg



LM Start	3.09	Rating **	N	Issue No.	36
LM End	3.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		40.056825 °	40.056825 °	
			-122.138088 °	-122.138088 °	
DWR ID	DWR_NA0019_04_f_2016_36				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
5 tree stumps					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	3.11	Rating **	M	Issue No.	1
LM End	3.13	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			40.057083 °	40.057291 °
				-122.137935 °	-122.137743 °
DWR ID	DWR_NA0019_04_s_2012_1				
Comment Code					
DE : Debris					
Inspector Comment					
Remove conctere blocks, concrete pipes, and concrete stairs from the landside slope.					

Photo 1 of 1 : FA_2018_NA0019_81_1_20180905_00001.jpg



View of the concrete stairways on the slope.

LM Start	3.13	Rating **	M	Issue No.	25
LM End	3.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.057350 °	40.057350 °
				-122.137667 °	-122.137667 °
DWR ID	DWR_NA0019_04_f_2015_25				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0019_81_25_20180905_00014.jpg



View of the slope instability caused by vehicles along the landside slope.

LM Start	3.29	Rating **	M	Issue No.	37
LM End	3.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.057685 °	40.057685 °
				-122.134770 °	-122.134770 °
DWR ID	DWR_NA0019_04_f_2016_37				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	3.31	Rating **	M	Issue No.	38
LM End	3.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.057590 °	40.057590 °
				-122.134508 °	-122.134508 °
DWR ID	DWR_NA0019_04_f_2016_38				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	3.31	Rating **	M	Issue No.	6
LM End	3.31	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			40.057558 °	40.057558 °
				-122.134417 °	-122.134417 °
DWR ID	DWR_NA0019_04_s_2012_6				
Comment Code					
GA : Garbage					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0019_81_6_20180905_00005.jpg



View of the garbage and metal along the landside slope and toe of the levee.

LM Start	3.40	Rating **	M	Issue No.	39
LM End	3.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.056546 °	40.055906 °
				-122.133530 °	-122.133294 °
DWR ID	DWR_NA0019_04_f_2016_39				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0019_81_39_20180905_00021.jpg



View of the blackberries along the landside slope blocking visibility and access.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/02/2018 10/02/2018	Bob Duffey

LM Start	3.66	Rating **	M	Issue No.	21
LM End	3.66	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			40.055735 °	40.055735 °
				-122.129445 °	-122.129445 °
DWR ID	DWR_NA0019_04_s_2015_21				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the landside toe.					

Photo 1 of 1 : FA_2018_NA0019_81_21_20180905_00013.jpg



View of the prunings along landside toe.

LM Start	3.69	Rating **	M	Issue No.	7
LM End	3.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.055920 °	40.055945 °
				-122.128948 °	-122.128310 °
DWR ID	DWR_NA0019_04_s_2012_7				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2018 Levee Inspection Results

Tehama County Flood Control and Water Conservation District

Waterway			Bank	Unit Miles
Unit No. 05 Elder Creek			Right	3.87
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	4/4/2018 - 4/4/2018		10/2/2018 - 10/2/2018	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Ryan Teubert Tehama County		Ryan Teubert Tehama County	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/02/2018 10/02/2018	Bob Duffey

LM Start	0.11	Rating **	A/W	Issue No.	20
LM End	0.11	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			40.051702 °	40.051702 °
				-122.189922 °	-122.189922 °
DWR ID	20799				
Comment Code					
Inspector Comment					
FS_ID:21744 DS_ID:20799 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on the WS and landside (LS) ends. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.11) Drawing No. 50-4-3622]. FS Date: 10/3/2013					

LM Start	0.11	Rating **	A/W	Issue No.	20 (cont)
LM End	0.11	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_21744_36945.jpg



Concrete headwall on LS toe.

Photo 2 of 3 : UCIP_FA_2018_21744_36944.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/02/2018 10/02/2018	Bob Duffey

LM Start	0.11	Rating **	A/W	Issue No.	20 (cont)	
LM End	0.11	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			40.051702 °	40.051702 °	
				-122.189922 °	-122.189922 °	
DWR ID	20799					
Comment Code						
Inspector Comment						
FS_ID:21744 DS_ID:20799 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on the WS and landside (LS) ends. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.11) Drawing No. 50-4-3622]. FS Date: 10/3/2013						

Photo 3 of 3 : UCIP_FA_2018_21744_36943.jpg



Concrete U-shaped headwall on WS slope.

LM Start	0.18	Rating **	C	Issue No.	15
LM End	0.18	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			40.051277 °	40.051277 °
				-122.188905 °	-122.188905 °
DWR ID	DWR_NA0019_05_f_2017_15				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings was removed from the landside toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/02/2018 10/02/2018	Bob Duffey

LM Start	0.50	Rating **	M	Issue No.	21	
LM End	0.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			40.050585 °	40.050585 °	
				-122.182972 °	-122.182972 °	
DWR ID	20801					
Comment Code						
Inspector Comment						
FS_ID:41124 DS_ID:20801 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris inside pipe at WS toe needs to be removed as it may prevent proper operation of the flapgate. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on the WS and landside (LS) ends. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.51) Drawing No. 50-4-3622]. FS Date: 10/3/2013						

LM Start	0.50	Rating **	M	Issue No.	21 (cont)
LM End	0.50	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_41124_36953.jpg



Concrete headwall on WS toe.

Photo 2 of 3 : UCIP_FA_2018_41124_36952.jpg



Inlet at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/02/2018 10/02/2018	Bob Duffey

LM Start	0.50	Rating **	M	Issue No.	21 (cont)	
LM End	0.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			40.050585 °		40.050585 °
				-122.182972 °		-122.182972 °
DWR ID	20801					
Comment Code						
Inspector Comment						
FS_ID:41124 DS_ID:20801 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris inside pipe at WS toe needs to be removed as it may prevent proper operation of the flapgate. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on the WS and landside (LS) ends. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.51) Drawing No. 50-4-3622]. FS Date: 10/3/2013						

Photo 3 of 3 : UCIP_FA_2018_41124_36951.jpg



Concrete headwall at LS toe.

LM Start	0.94	Rating **	M	Issue No.	8
LM End	1.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			40.051360 °	40.052361 °
				-122.175063 °	-122.173450 °
DWR ID	DWR_NA0019_05_f_2015_8				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Repair rodent hole on landside slope.					

Photo 1 of 1 : FA_2018_NA0019_82_8_20180905_00003.jpg



View of the rodent holes along the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/02/2018 10/02/2018	Bob Duffey

LM Start	2.41	Rating **	M	Issue No.	14
LM End	2.41	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			40.051274 °	40.051274 °
				-122.150113 °	-122.150113 °
DWR ID	DWR_NA0019_05_f_2016_14				
Comment Code					
DE : Debris					
Inspector Comment					
Pile of broken concrete pipes on the waterside.					

Photo 1 of 1 : FA_2018_NA0019_82_14_20180905_00005.jpg



View of the broken pipes along the waterside slope.

LM Start	2.41	Rating **	M	Issue No.	22
LM End	2.41	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			40.051336 °	40.051336 °
				-122.149991 °	-122.149991 °
DWR ID	24692				
Comment Code					
Inspector Comment					
FS_ID:23052					
DS_ID:24692					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit identified for this crossing.					
FIELD_STRUCT_DESC: Steel fiber optics conduit of an unknown size through the levee, at an unknown depth. Sign markers on the landside (LS) shoulder.					
FS Date: 10/3/2013 9:02:00 AM					

Photo 1 of 2 : UCIP_FA_2018_23052_39137.jpg



Fiber optic line markers on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/02/2018 10/02/2018	Bob Duffey

LM Start	2.41	Rating **	M	Issue No.	22 (cont)	
LM End	2.41	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			40.051336 °	40.051336 °	
				-122.149991 °	-122.149991 °	
DWR ID	24692					
Comment Code						
Inspector Comment						
FS_ID:23052						
DS_ID:24692						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: No permit identified for this crossing.						
FIELD_STRUCT_DESC: Steel fiber optics conduit of an unknown size through the levee, at an unknown depth. Sign markers on the landside (LS) shoulder.						
FS Date: 10/3/2013 9:02:00 AM						

Photo 2 of 2 : UCIP_FA_2018_23052_39136.jpg



Fiber optic line markers on LS shoulder.

LM Start	2.47	Rating **	M	Issue No.	23
LM End	2.47	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			40.051667 °	40.051667 °
				-122.149033 °	-122.149033 °
DWR ID	24693				
Comment Code					
Inspector Comment					
FS_ID:23044 DS_ID:24693 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 4-inch steel gas pipeline through the levee, 2.5 feet below the crown. Pipe visible on upstream side of bridge. FS Date: 10/3/2013					

Photo 1 of 3 : UCIP_FA_2018_23044_39104.jpg



Gasline on upstream side of bridge.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/02/2018 10/02/2018	Bob Duffey

LM Start	2.47	Rating **	M	Issue No.	23 (cont)	
LM End	2.47	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			40.051667 °		40.051667 °
				-122.149033 °		-122.149033 °
DWR ID	24693					
Comment Code						
Inspector Comment						
FS_ID:23044 DS_ID:24693 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 4-inch steel gas pipeline through the levee, 2.5 feet below the crown. Pipe visible on upstream side of bridge. FS Date: 10/3/2013						

LM Start	2.47	Rating **	M	Issue No.	23 (cont)
LM End	2.47	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_23044_39103.jpg



Gasline on upstream side of bridge.

Photo 3 of 3 : UCIP_FA_2018_23044_39102.jpg



Gasline on upstream side of bridge.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/02/2018 10/02/2018	Bob Duffey

LM Start	2.65	Rating **	M	Issue No.	2
LM End	2.70	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.051778 °	40.052243 °
				-122.145745 °	-122.144825 °
DWR ID	DWR_NA0019_05_s_2012_2				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0019_82_2_20180905_00001.jpg



View of the landscaping along the slope.

LM Start	3.01	Rating **	M	Issue No.	1
LM End	3.03	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			40.054730 °	40.054970 °
				-122.140578 °	-122.140238 °
DWR ID	DWR_ST0010_02_f_2022_10				
Comment Code					
Inspector Comment					
2017 Site ID: ELC 3.0 R					
Status: Eroding					
2017 Field Notes: Does not appear to have new erosion , channel was being dredged during inspection.					
Site History: 2006 - Mass failure of this bank due to being along the outside of a bend where erosion and undercutting are the greatest. Low flow is being forced into the toe of this bank by point bar on the opposite side of the creek. 2011 - Toe of the bank continues to be undercut.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/02/2018 10/02/2018	Bob Duffey

LM Start	3.12	Rating **	M	Issue No.	11
LM End	3.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		40.055632°	40.055607°	
			-122.138910°	-122.138868°	
DWR ID	DWR_NA0019_05_s_2012_11				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	3.12	Rating **	M	Issue No.	17
LM End	3.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		40.055500°	40.055500°	
			-122.138841°	-122.138841°	
DWR ID	DWR_NA0019_05_f_2016_17				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.30	Rating **	M	Issue No.	9
LM End	3.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		40.056831°	40.054862°	
			-122.136365°	-122.129279°	
DWR ID	DWR_NA0019_05_s_2012_9				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					


No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2018


Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/02/2018 10/02/2018	Bob Duffey

Photo 1 of 1 : FA_2018_NA0019_82_10_20180905_00004.jpg



View of the erosion along the landside slope.

Photo 1 of 1 : FA_2018_NA0019_82_7_20180905_00002.jpg



View of the erosion along the landside slope.

Photo 1 of 1 : FA_2018_NA0019_82_19_20180905_00008.jpg



10/24/2018

View of the erosion along the landside slope.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/02/2018 10/02/2018	Bob Duffey

LM Start	3.76	Rating **	U	Issue No.	18
LM End	3.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			40.054829 °	40.054829 °
				-122.129329 °	-122.129329 °
DWR ID	DWR_NA0019_05_f_2016_18				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA_2018_NA0019_82_18_20180905_00007.jpg



View of the erosion along the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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